

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A computer-implemented method for linking a semiconductor product manufacturing facility demand planning system with a quotation system, the method comprising:  
    updating the quotation system including ~~at least~~ a first raw material product and its quote amount;  
    storing the quote amount associated with the first raw material product in a quotation system database;  
    ~~providing the product manufacturing facility demand planning system that identifies at least the first raw material product and desired quantity to produce finished product; and~~  
    determining that the first raw material product is associated with a desired finished product and a quantity of the first raw material product associated with the desired finished product; and  
    calculating a demand planning system price associated with the ~~first raw material product~~ by desired finished product ~~accessing the quote amount associated with the first raw material product from the quotation system, and determining the demand planning system price~~ based on the quote amount associated with the first raw material product and the ~~desired quantity~~ of the first raw material product associated with the desired finished product ~~identified in the product manufacturing facility demand planning system.~~
2. (Original) The computer-implemented method of claim 1 wherein the product manufacturing facility demand planning system comprises a semiconductor foundry.
3. (Canceled)

4. (Currently Amended) The computer-implemented method of claim [[3]] 1, ~~further comprising: storing information associated with~~ wherein the determining that the first raw material product is associated with the desired finished product and the determining the quantity of the first raw material product associated with the desired finished product includes accessing [[in]] a product database, and wherein the product database includes a listing of a plurality of raw material products associated with the finished product.

5. (Currently Amended) The computer-implemented method of claim 4, further comprising:  
updating providing a mapping system; and  
updating a mapping database with information from the quotation system database  
and the product database associated with the first raw material product  
using the mapping system.

6. (Currently Amended) The computer-implemented method of claim 5, wherein the mapping database is updated automatically when the quotation system database is changed, and wherein the mapping database includes a plurality of raw materials associated with the desired finished product and a price associated with each of the plurality of raw materials.

7. (Original) The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation system database utilizing a database trigger.

8. (Currently Amended) The computer-implemented method of claim 5, wherein the mapping database is updated automatically when a new quotation is entered into the quotation system database utilizing [[a]] an auto-call function.

9. (Original) The computer-implemented method of claim 5, wherein the mapping database is updated automatically when the product database is changed.

10. (Currently Amended) The computer-implemented method of claim 1, further comprising:  
receiving a quote amount ~~[[for]]~~ associated with a second raw material product;  
storing the quote amount associated with the second raw material product in the quotation  
system database; and  
determining that the second raw material product is associated with the desired finished  
product and determining a quantity of the second raw material product associated  
with the desired finished product;  
wherein calculating ~~[[a]]~~ the demand planning system price associated with the desired  
finished product is second raw material product, ~~wherein the demand planning~~  
~~system identifies at least the first raw material product and the second raw~~  
~~material product prices and desired respective quantities, by accessing the stored~~  
~~quote amount associated with the second raw material product, and determining~~  
~~the demand planning system price for the second raw material product based on~~  
the stored quote amount associated with the second raw material product and the  
desired quantity of the second raw material product associated with the desired  
finished product identified in the product manufacturing facility demand planning  
system.

11. (Original) The computer-implemented method of claim 10, wherein the quote amount  
associated with the first raw material product and the quote amount associated with the second  
raw material product are in the same quotation system.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Currently Amended) The computer-implemented method of claim [[14]] 1, further comprising:

storing predetermined information associated with the first raw material product and a second raw material associated with the finished product in ~~respective raw material~~ a product database ~~records~~.

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Currently Amended) A computer-readable medium having stored thereon sequences of instruction for responding to a request for linking a semiconductor product manufacturing facility demand planning system with a quotation system, the sequence of instructions including instructions for performing the steps of:

providing the quotation system including ~~at least~~ a first raw material product and its quote amount;

storing the quote amount;

~~providing the product manufacturing facility demand planning system that identifies at least the first product and desired quantity; and~~

determining a quantity of the first raw material product associated with manufacturing the finished product;

calculating a demand planning system price associated with the first raw material product by

accessing the quote amount associated with the first raw material product,  
and

determining the demand planning system price based on the quote amount associated with the first raw material product and the quantity of the first raw material product associated with manufacturing the finished product ~~required by the product manufacturing facility demand planning system to manufacture a finished product.~~

20. (Original) The computer-readable medium of claim 19, wherein the product manufacturing facility is a semiconductor foundry.

21. (Original) The computer-readable medium of claim 19, wherein the sequence of instructions further comprises instructions for performing the steps of:

storing the quotation system amount in a quotation system database.

22. (Currently Amended) The computer-readable medium of claim 21, the sequence of instructions further comprises instructions for performing the steps of:

storing predetermined information associated with the first raw material product in a product database, wherein the product database includes the quantity of the first raw material product associated with manufacturing the finished product.

23. (Original) A system for linking a product manufacturing facility demand planning system with a quotation system, the system comprising:

a quotation system entry device for entering a quotation entry that includes at least two raw materials and their quote amounts;  
memory connected to the data entry device configured to receive the quote amounts;  
a demand planning system entry device for entering a finished product and required raw material products and desired quantities; and  
a price calculator configured to receive the desired quantities of raw materials from the demand planning system entry device, to access the memory to identify the quote amounts associated with the raw materials, and to calculate a price for the finished product based on the desired quantities and quote amounts of raw materials.

24. (Currently Amended) The system of claim [[26]] 23, wherein the product manufacturing facility is a semiconductor foundry.

25. (Currently Amended) The system of claim [[26]] 23, wherein the memory comprises a quotation system database connected to the demand planning system entry device;  
a product database configured to receive raw material product information; and  
a mapping database that interfaces with both the quotation system database and product database capable of storing information associated with the raw material products.

26. (Currently Amended) The system of claim ~~[[28]]~~ 25, wherein the quotation system database additionally comprises

an automatic updating mapping database mechanism which updates the mapping database when the quotation system database is changed.

27. (Currently Amended) The system of claim ~~[[28]]~~ 25, wherein the product database additionally comprises

an automatic updating mapping database mechanism which updates the mapping database when the product database is changed.

28. (Currently Amended) The system of claim ~~[[26]]~~ 23, wherein the quotation system entry device and the demand planning system entry device comprise a single device.

29. (Currently Amended) The system of claim ~~[[31]]~~ 28, wherein the single device is a personal data assistant.

30. (Currently Amended) The system of claim ~~[[26]]~~ 23, wherein the quotation system entry device is connected to the memory via a wireless connection.

31. (Currently Amended) The system of claim ~~[[26]]~~ 23, wherein the demand planning system entry device is connected to the price calculator via a wireless connection.